

**Notice of Allowability**

Application No.

10/081,908

Examiner

Pramila Parthasarathy

Applicant(s)

HARS, LASZLO

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Terminal disclaimer filed on 8/14/2007.
2. ☒ The allowed claim(s) is/are 1-3,5-10 and 21-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

NASSER MOAZZAMI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

8/22/07

## **DETAILED ACTION**

### ***Terminal Disclaimer***

1. The terminal disclaimer filed on 8/14/2007 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of Patent 6,947,960 has been reviewed and is accepted. The terminal disclaimer has been recorded.

### ***Response to Arguments***

2. Applicant's arguments with respect to Claims 1 – 3, 5 – 10, 12 – 20 and 21 – 24 along with amended Claims 1, 9, 13, 17, 19, and 21, new Claims 23 – 24 have been fully considered and in view of Applicant's agreement with Examiner's proposed amendment with Claims 15 and 19 are persuasive. Applicant agreed to cancel Claim 20.

### ***Allowable Subject Matter***

3. Claims 1 – 3, 5 – 10, 12 – 19 and 21 – 24 are allowed and renumbered as 1–21.
4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark A. Wilson, registration number 43,994, on August 17, 2007.

IN THE CLAIMS:

15. (Amended) An apparatus, comprising:

a random generator unit for generating sequences of binary bits;

a detector unit, coupled to an output of the random generator unit, for detecting whether the generated random sequences are unpredictable; and,

a switching unit, coupled to the output of the random generator unit and an output of the detector unit, for disabling the flow of the sequences when the generated random sequences are determined to be predictable,

wherein the detector unit is configured to:

determine an average number of bits that have a value of a predetermined logic value at a specific, predefined range of intervals using an exponential averaging operation (A),

determine that the sequence is predictable if the output of the exponential averaging operation (A) falls outside a predetermined acceptance range; and

provide a notification that the random generator unit is not properly generating random sequences when the output of the exponential averaging operation falls outside the predetermined acceptance range.

19. (Amended) A machine-readable medium having stored thereon data representing sequences of instructions, and the sequences of instructions which when executed by a processor, cause the processor to:

generate a stream of random bits;

determine an average number of bits that have a value of a predetermined logic value at a specific, predefined range of intervals using an exponential averaging operation (A) on the number of bits indicative of the predetermined logic value;

compare an output of the exponential averaging operations to a predetermined acceptance range;

determine whether the generated stream of random bits is predictable in response to the comparison of the output of the exponential averaging operations to a predetermined acceptance range; and

provide a notification that the stream of random bits is not predictable when the computer exponential averaging operation fails outside the predetermined acceptance range.


20. (Cancelled).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pramila Parthasarathy whose telephone number is 571-272-3866. The examiner can normally be reached on 8:00a.m. To 5:00p.m.. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on 571-232-4195. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR only. For more information about the PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pramila Parthasarathy  
August 20, 2007.

NASSER MOAZZAMI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

  
8, 22, 07